fragments were observed as shown in FIG. 2(b). However, when the genomic DNA of normal bovine was used as a template, no amplification was observed.

These results reveal that with respect to the deficiency of approximately 11 kb including the translated region of Hsp70 gene, the mother or daughter bovine of the deficiency-attacked bovine is a heterozygote to this mutation and the Hsp70 deficiency is a hereditary disease with autosome recessive heredity.

## SEQUENCE LISTING

<110> Japan Livestock Technology Association

<120> Gene Diagnosis for Bovine Hsp70 Deficiency

<130> P141292K

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<210>1

<211>12988

<212>DNA

<213>Bovine

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